



# FEMA



Prepared by  
*Brian Hoeth*

# FEMA Region 6 Weather Threat Briefing

Friday, September 21, 2018

**Disclaimer:** The purpose of this briefing is to provide a **Regional** weather threat assessment and is meant as a general overview. County/Parish decision makers should consult their local NWS forecast offices for the latest detailed, local weather information.

To find your local NWS forecast office, go to [www.weather.gov/srh](http://www.weather.gov/srh).

## Today - Saturday

- Areas of heavy rain/flash flooding likely in **OK** into **North/Central/West TX** today and spreading into portions of **Central/Western/Northern AR** by this evening.
  - Widespread Flash Flood Watches have been issued.
- Likely heavy rain/flash flood threat continues into Saturday morning for all areas except **West TX** and **SW OK** and then the threat slightly decreases and moves eastward by Saturday afternoon; focus area shifts to **North TX/Eastern OK/Northwest LA** and **AR**.
- River flooding will continue in **S TX** & new river flooding is possible in **West/North TX & OK**.

## Sunday - Tuesday

- Areas of heavy rain/flash flooding possible for **AR** into the **Arklatex**.
- River flooding will continue in **S TX** and is possible in **West/North TX, OK, AR**.

## Tropical Outlook

- **NHC** is monitoring four areas in the **Atlantic**. No impacts to **FEMA 6** in the next 5 days.

# FEMA Region 6 Threat Matrix



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Sept 21, 2018 – Sept 25, 2018

DAY / THREAT	FRI	SAT	SUN	MON	TUE
Severe Storms					
Heavy Rain / Flash Flooding	Central & Southern OK, North/Central/West TX	OK & AR into North/Central TX	AR into the Arklatex	AR into the Arklatex	AR into the Arklatex
	OK, West/South-Cntrl TX, W AR				
Fire Weather					
Tropical Weather					
River Flooding	STX West TX, possibly into N TX and OK	STX OK, North/West TX	STX OK, North TX, AR	STX OK, North TX, AR	STX AR

	No Weather Threats Expected
	Very Common – Happens Often
	Common – Happens Frequently
	Uncommon – A Few Times a Year
	Rare – Once Every 1-5 Years
	Very Rare – Once Every 5-10 Years

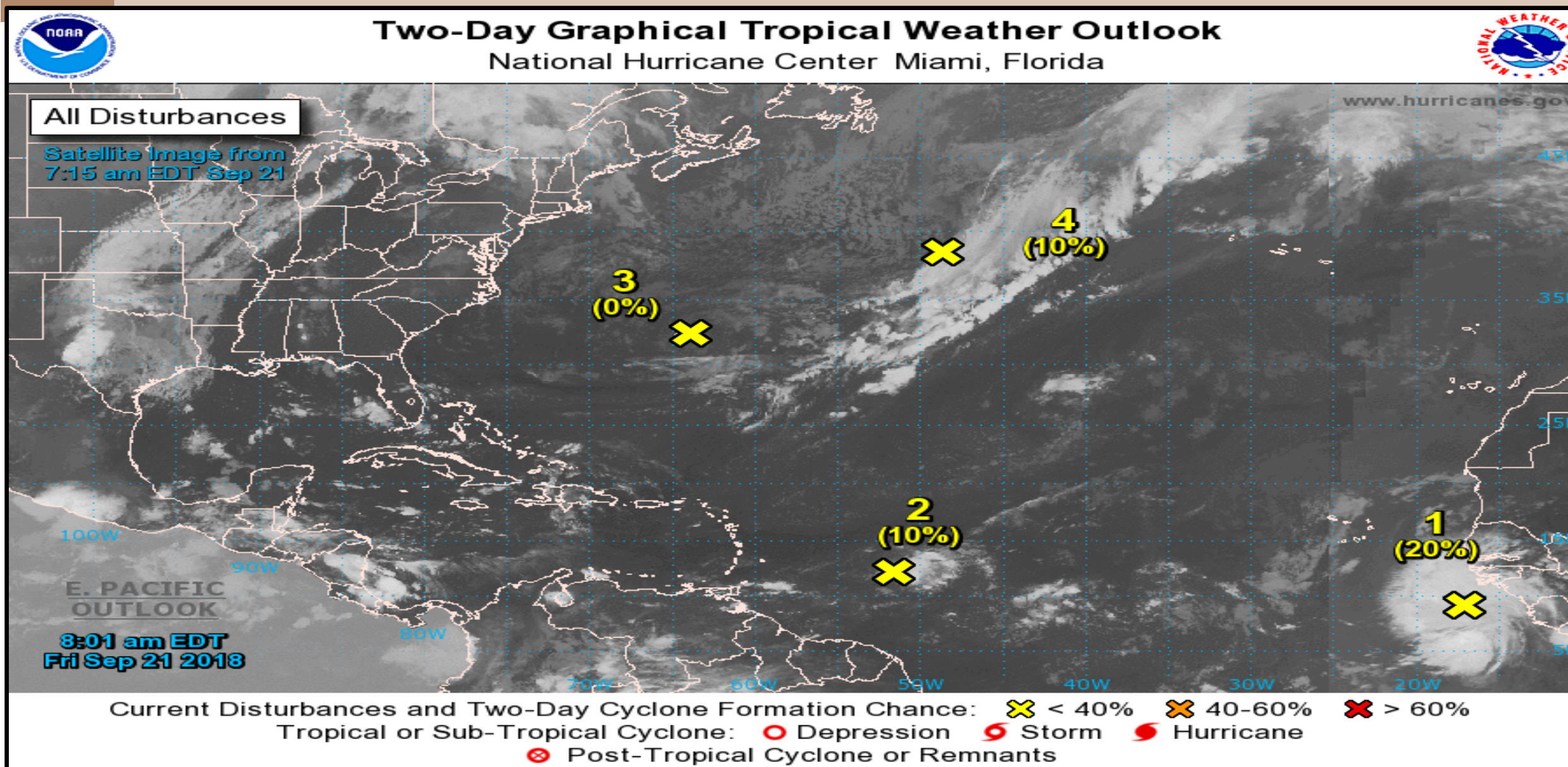
*\*Threat levels are based on FEMA Region 6 criteria.  
State or local threat level criteria may differ.\*  
For more details on the colors in the threat matrix refer to the last slide in this briefing.*



# Tropical Weather Outlook – Atlantic/Gulf



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**A tropical depression could form early next week while the system moves westward at 15 to 20 mph across the the eastern and central tropical Atlantic Ocean.**

- \* Formation chance through 48 hours...low...20 percent.
- \* Formation chance through 5 days...medium...60 percent.

**A subtropical or tropical cyclone is expected to form late this weekend or early next week while the low meanders over the central Atlantic Ocean..**

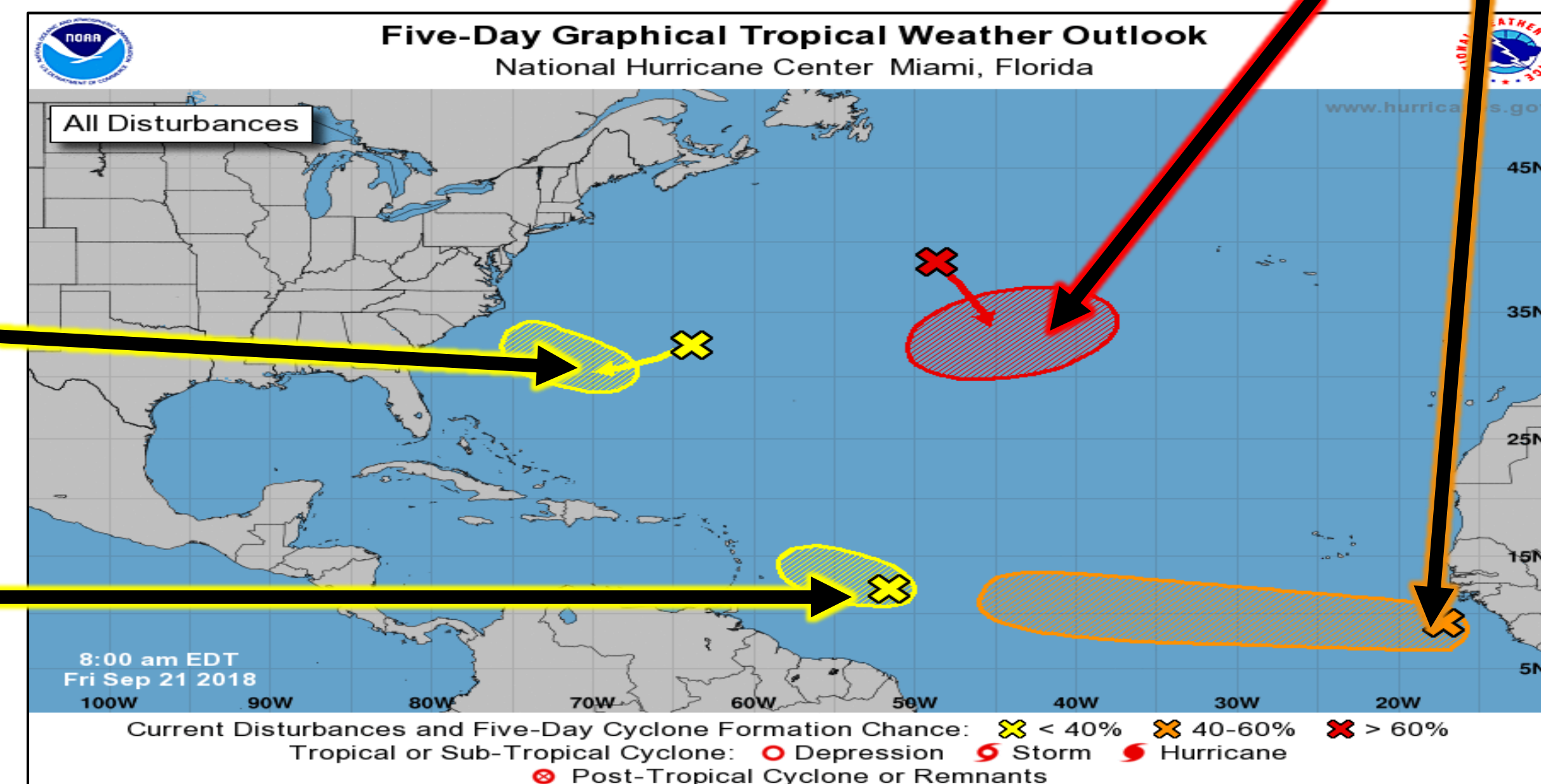
- \* Formation chance through 48 hours...low...10 percent.
- \* Formation chance through 5 days...high...70 percent.

**Chance for slow development when the system moves over the southwest Atlantic Ocean by middle part of next week.**

- \* Formation chance through 48 hours...low...near 0 percent.
- \* Formation chance through 5 days...low...20 percent.

**The combination of dry mid-level air and strong upper-level winds is expected to hinder any further development of this low while it moves west-northwestward at around 10 mph.**

- \* Formation chance through 48 hours...low...10 percent.
- \* Formation chance through 5 days...low...10 percent.



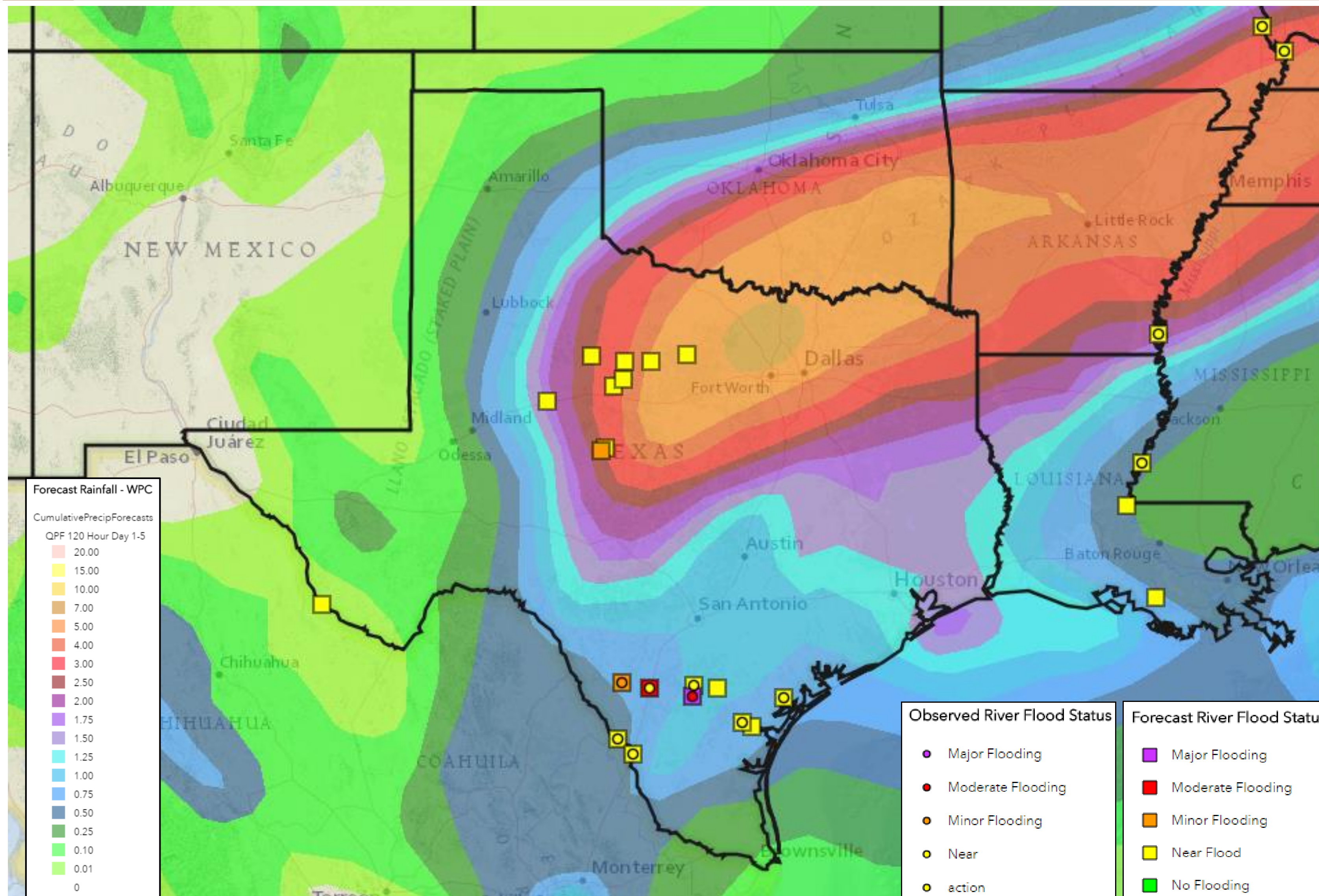


# 5-Day Precipitation Forecast & River Flood Status



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*Note: Even though the image displays 5 days of forecasted rainfall, river forecasts only include 1-2 days of rainfall*



**The Nueces River near Tilden will likely remain in Moderate to Major Flood Stage through the next several days.**

**Potential impacts include: Major lowland flooding of livestock, roads, irrigation pumps and tank batteries. Fencing is damaged as well as hunting cabins.**

**Moderate to heavy rain over OK, TX, and AR Friday into the weekend may result in areas of river flooding.**

**Specifically for TX, the following river basins in North and West TX may experience river flooding: Brazos, Colorado, Trinity, and Sabine.**

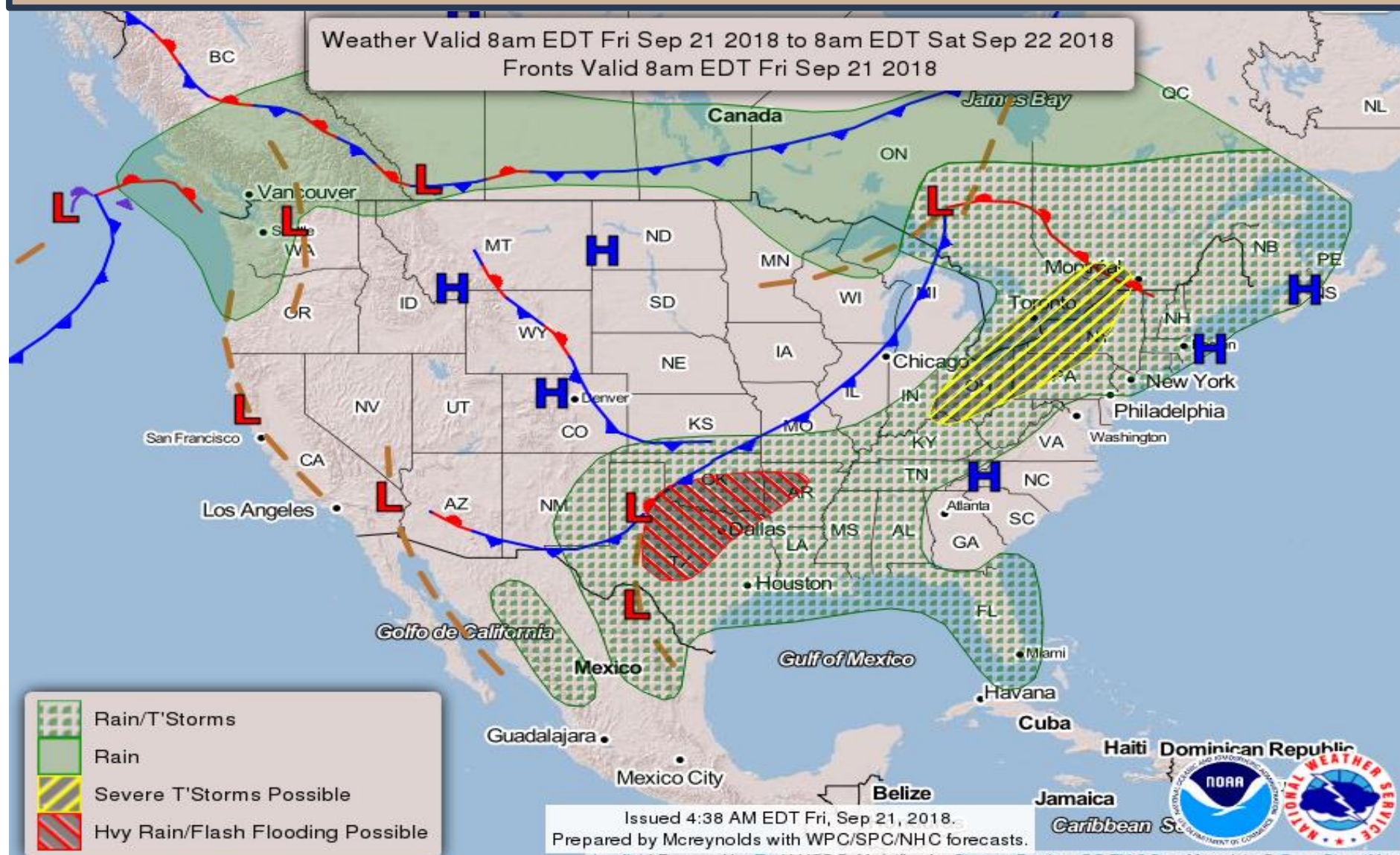


# Today's Weather

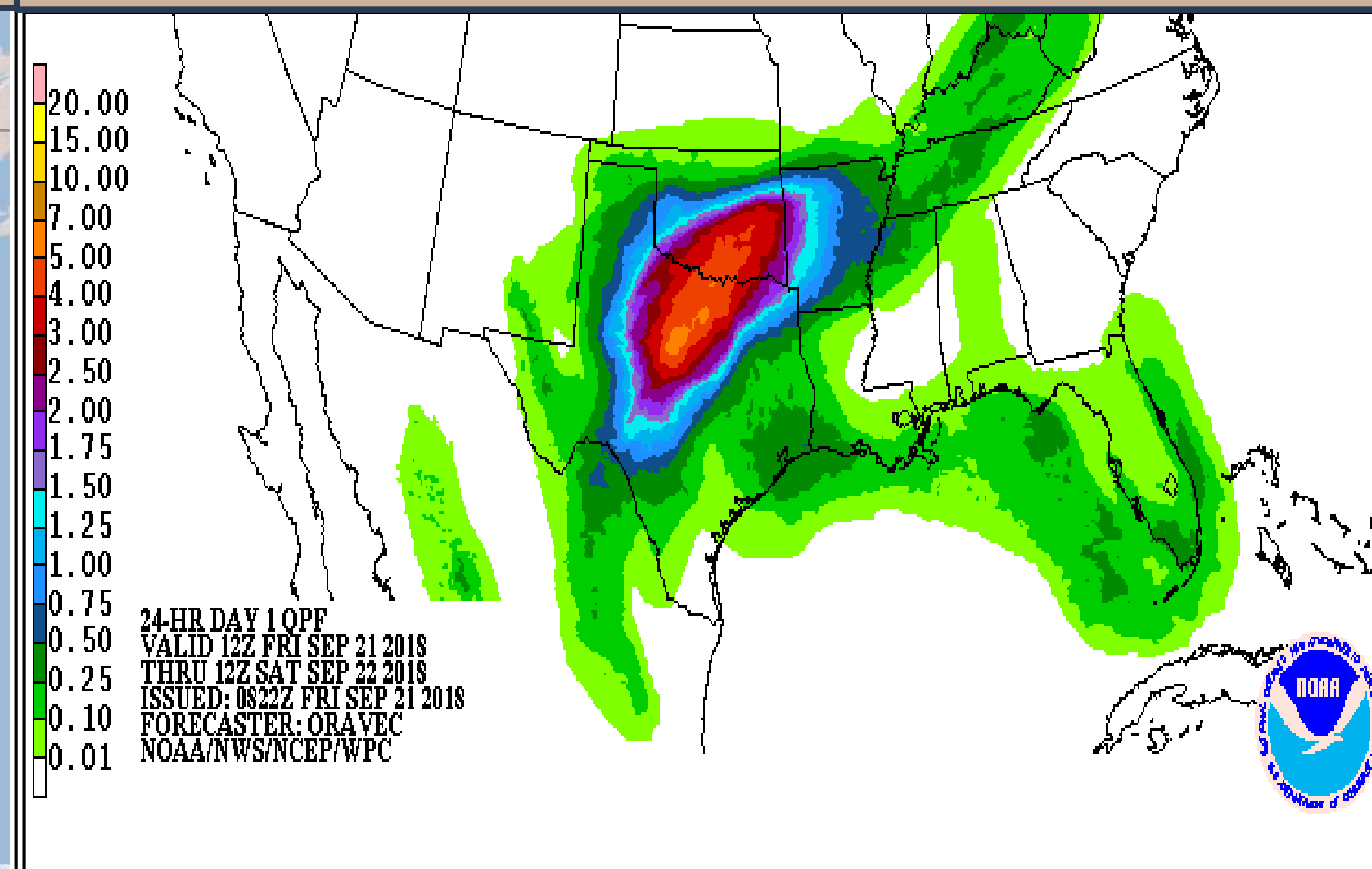


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## Forecast Chart



## Forecast Rainfall

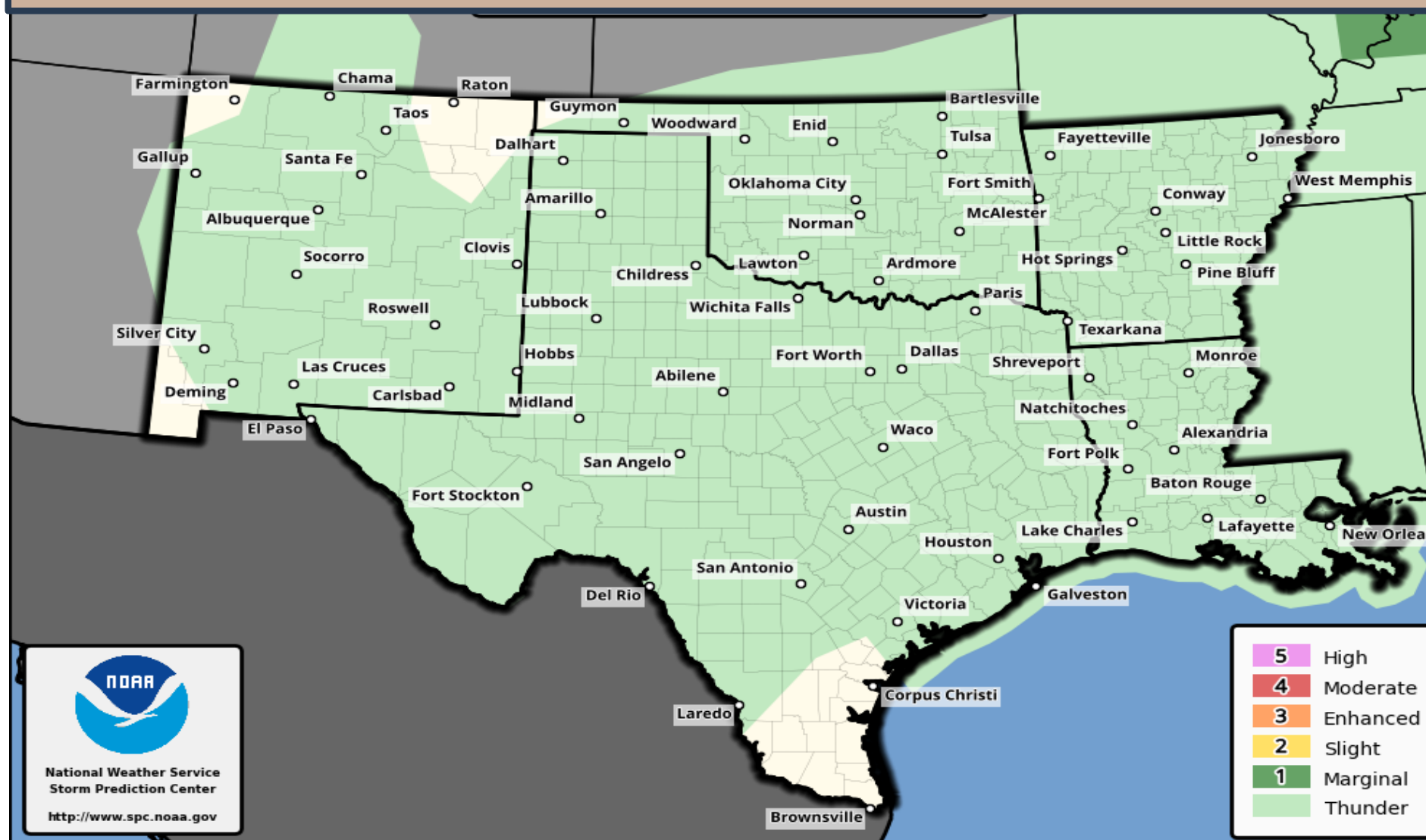


**Areas of heavy rain/flash flooding *likely* in OK into North/Central/West TX today and spreading into portions of Central/Western/Northern AR by this evening.**

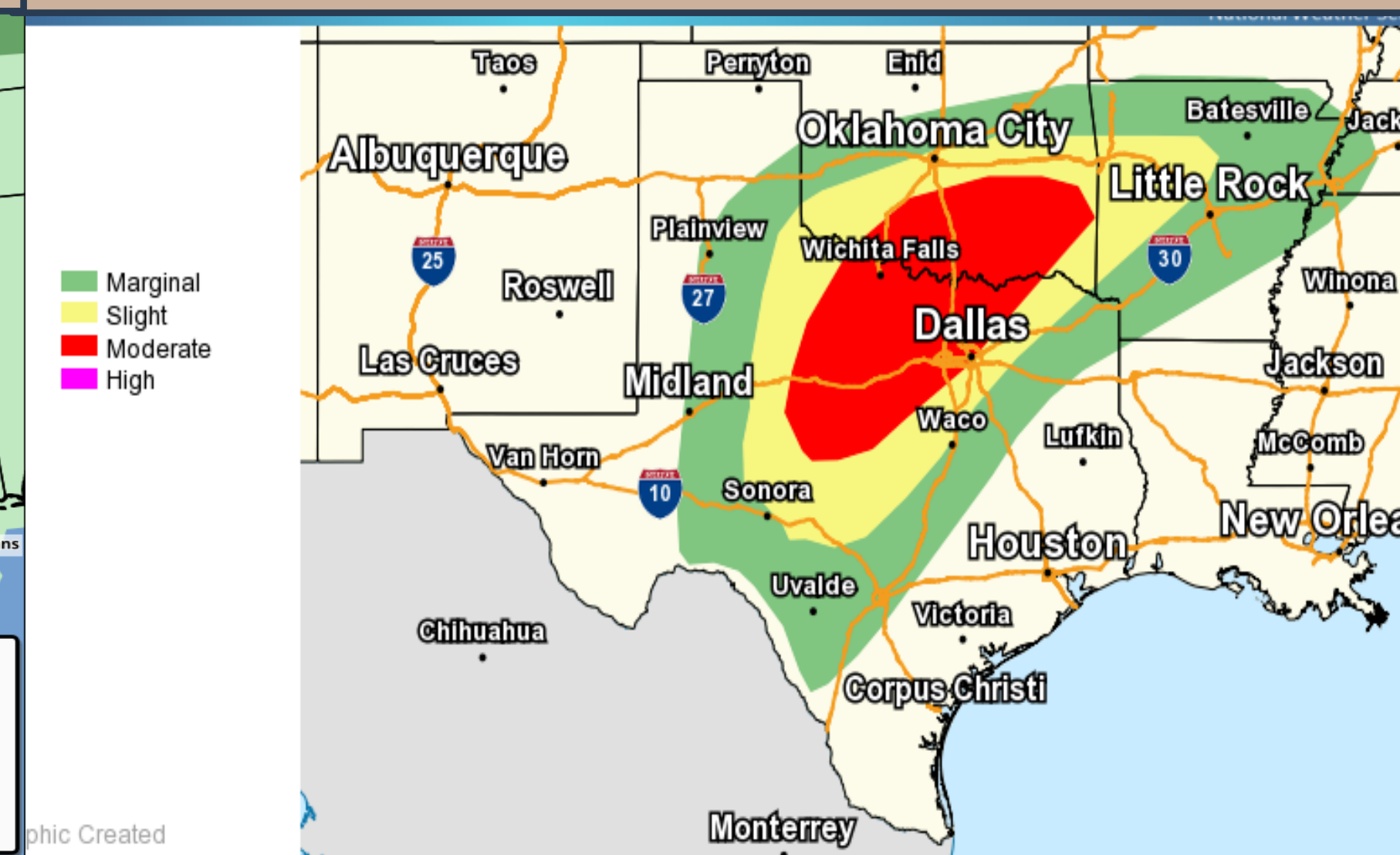
**River Flooding will continue in STX.**

**New river flooding developing in W TX this morning from heavy rain today ... may expand into OK and N TX by later today or tomorrow.**

## Severe Weather Outlook



## Excessive Rainfall Outlook





# Watches, Warnings, and Advisories

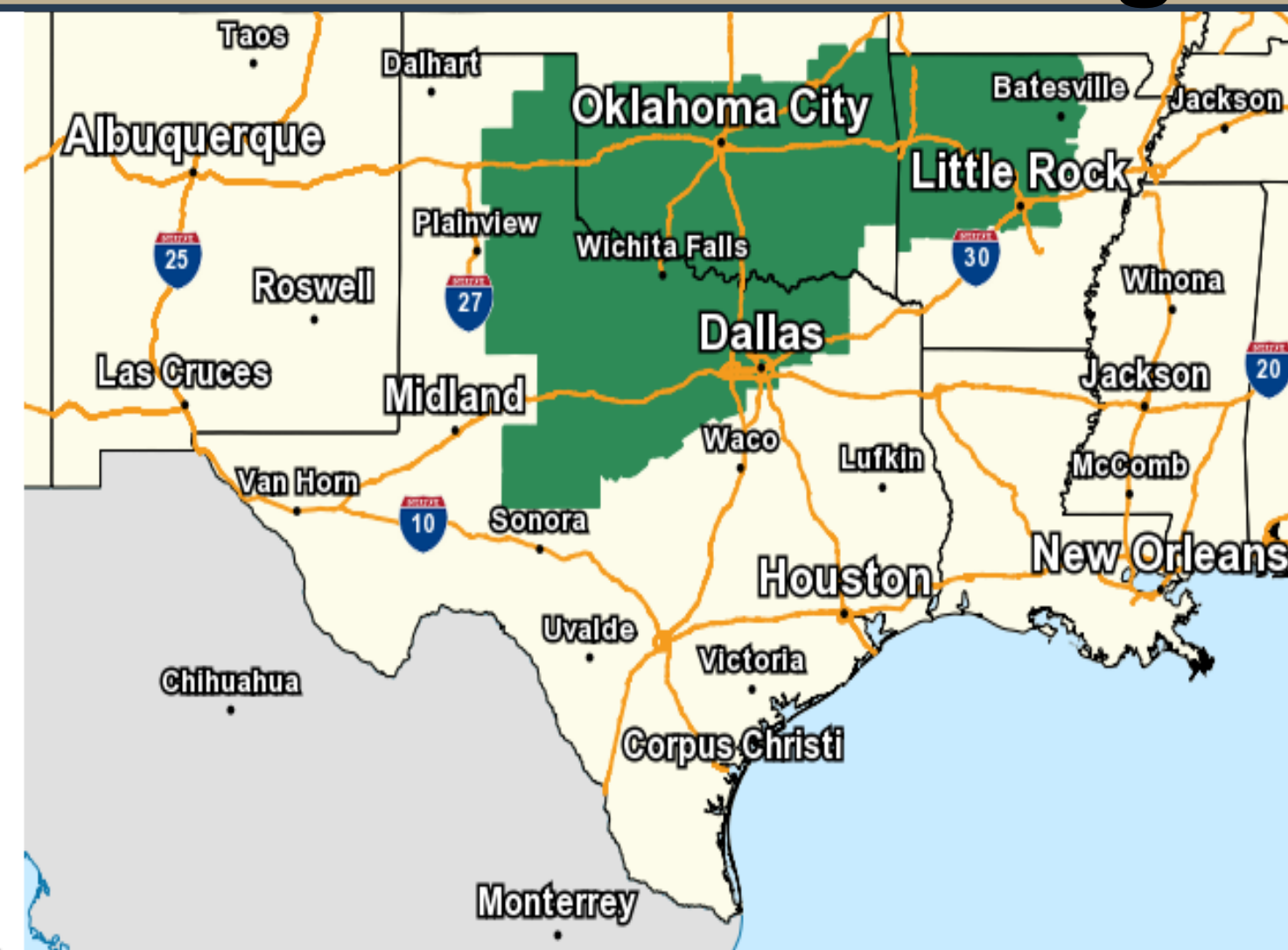


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## Fire Weather



## Severe Weather & Flooding



**Widespread Flash Flood  
Watches in effect across OK,  
North/Central/West TX and  
AR.**

## Strong & Gusty Winds



## Winter Weather



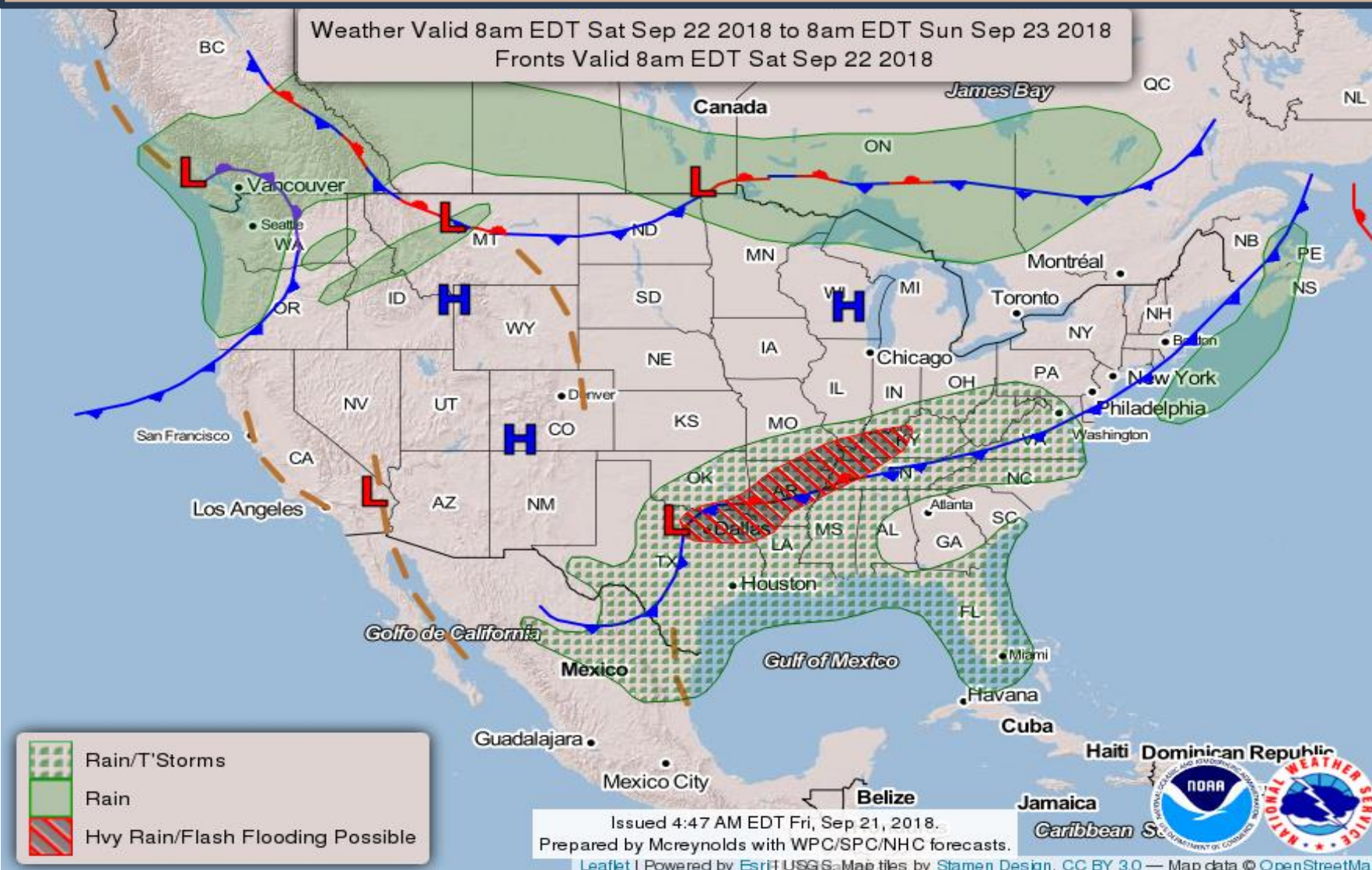


# Tomorrow's Weather

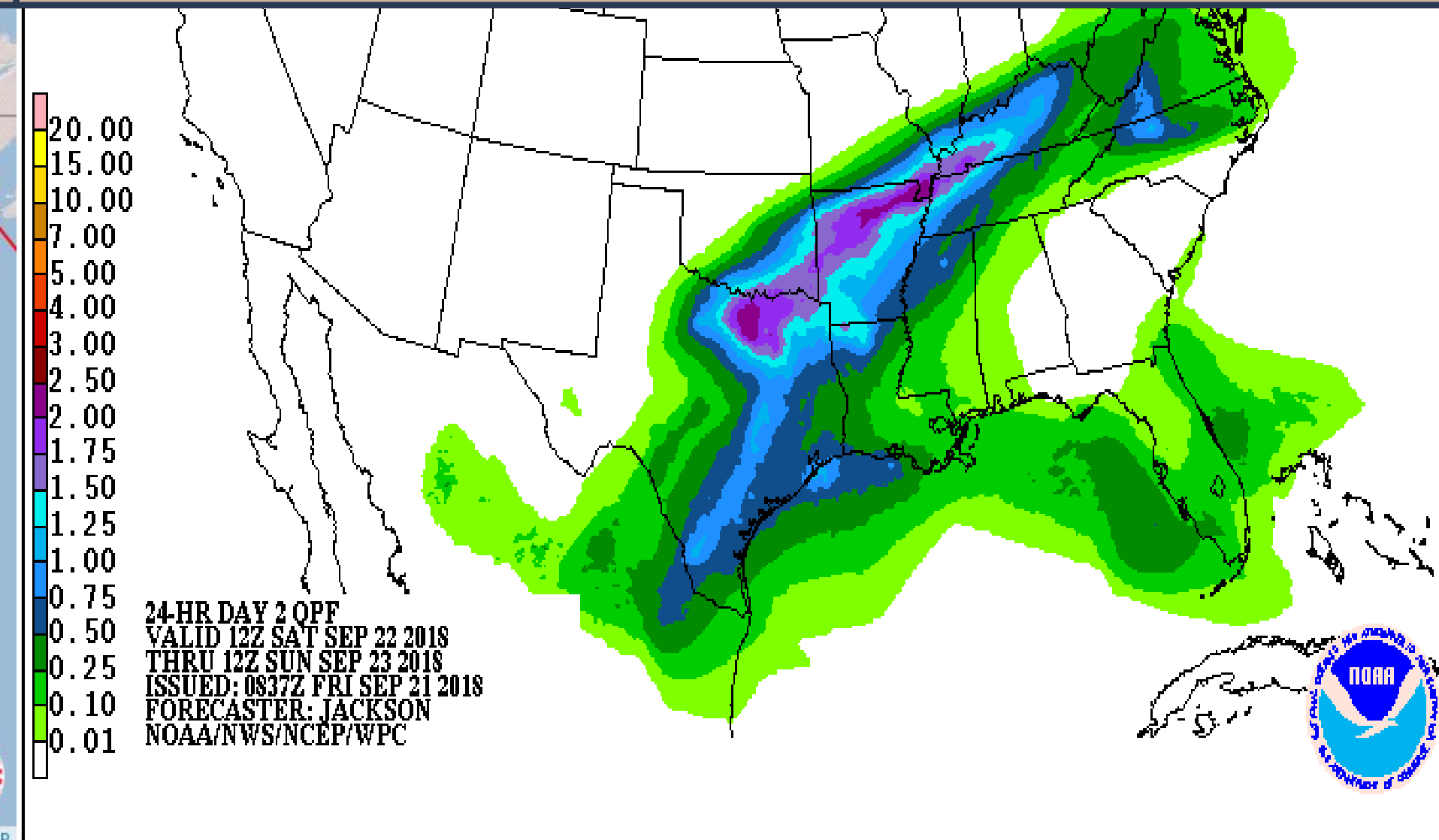


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## Forecast Chart

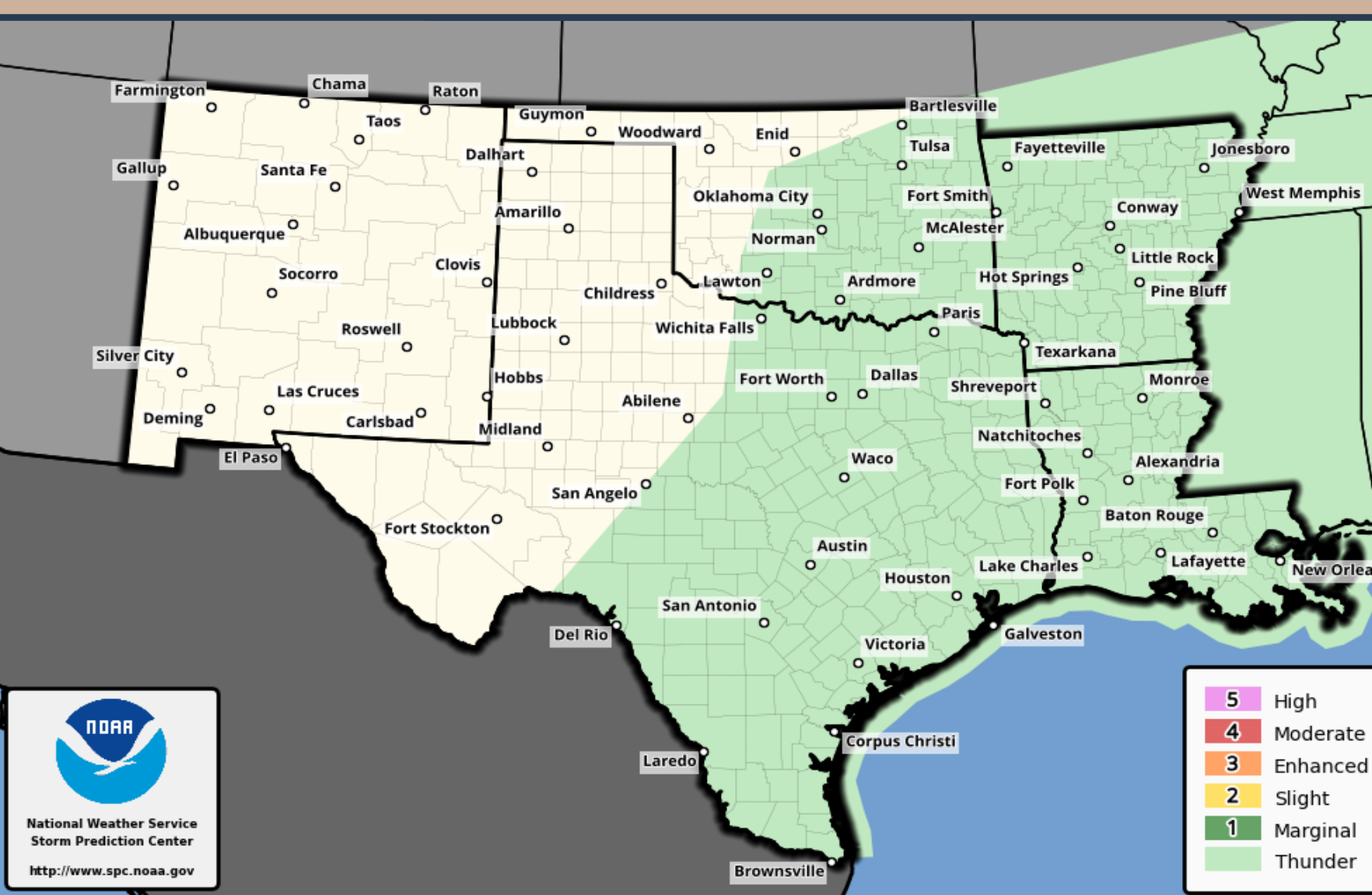


## Forecast Rainfall

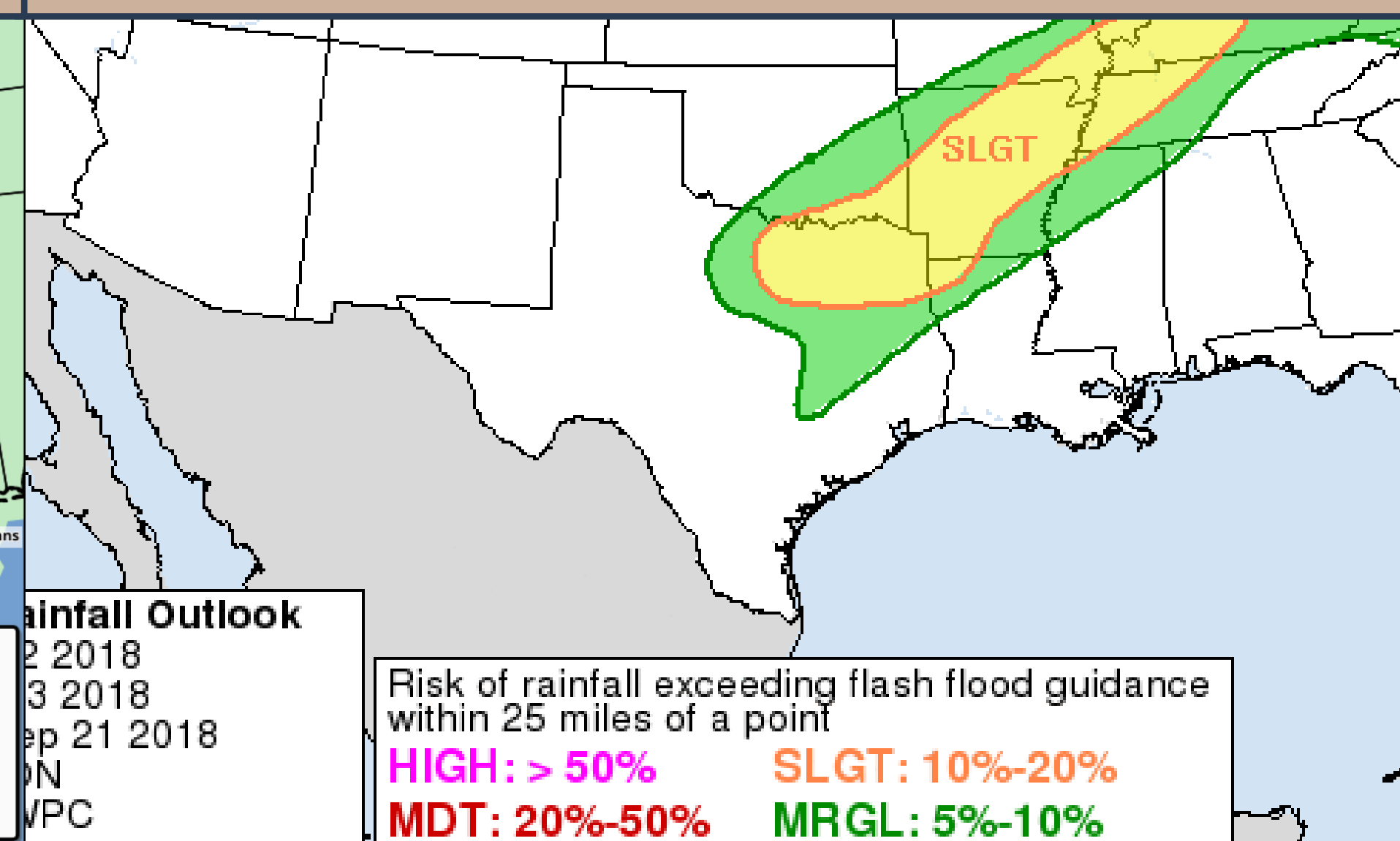


**Likely heavy rain/flash flood threat continues into Saturday morning for all areas except West TX and SW OK and then the threat slightly decreases and moves eastward by Saturday afternoon; focus area shifts to North TX/Eastern OK/Northwest LA and AR.**

## Severe Weather Outlook



## Excessive Rainfall Outlook



**River Flooding will continue across STX and possibly for portions of West and North TX and OK. Also possible for AR.**

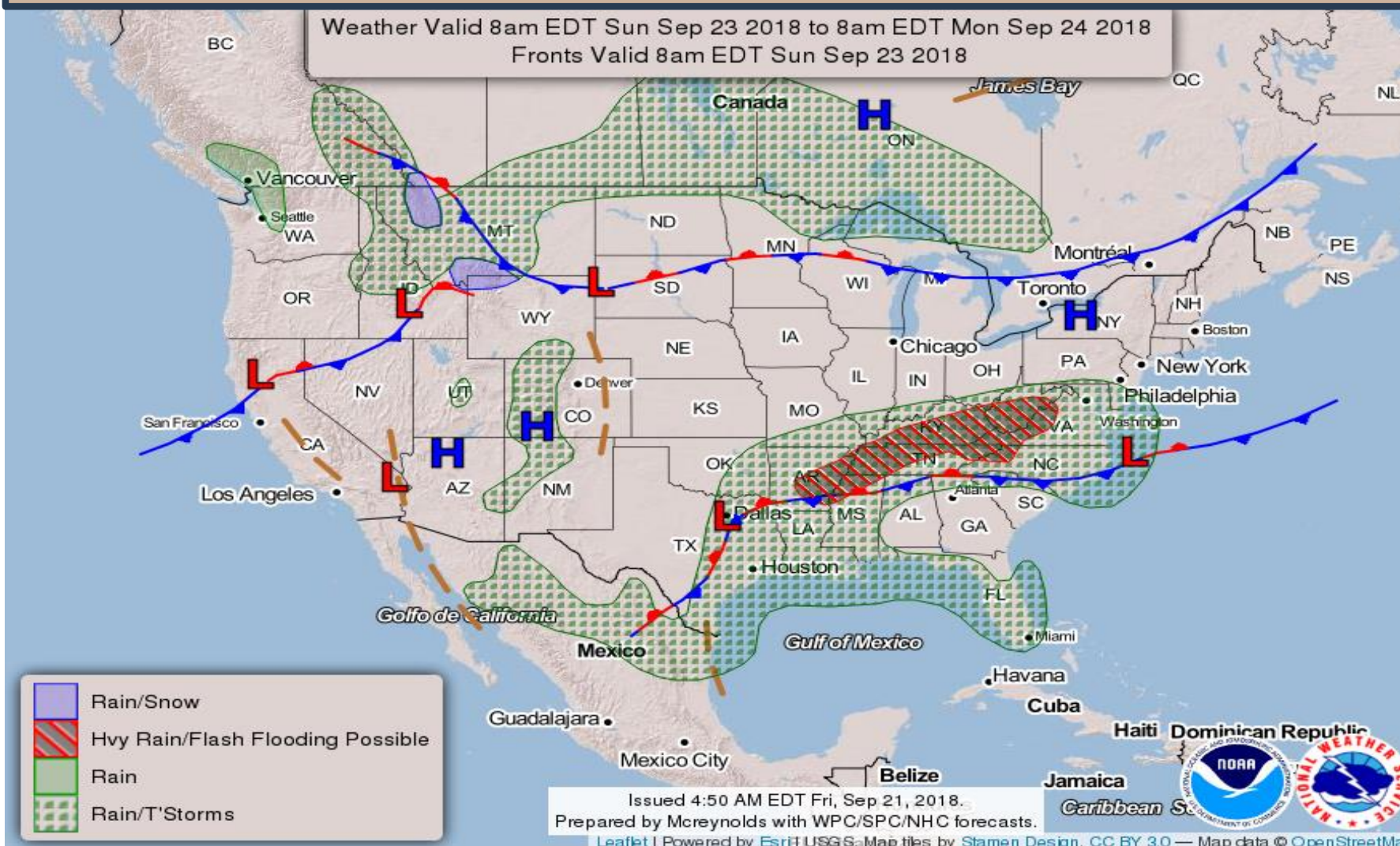


# Sunday's Weather

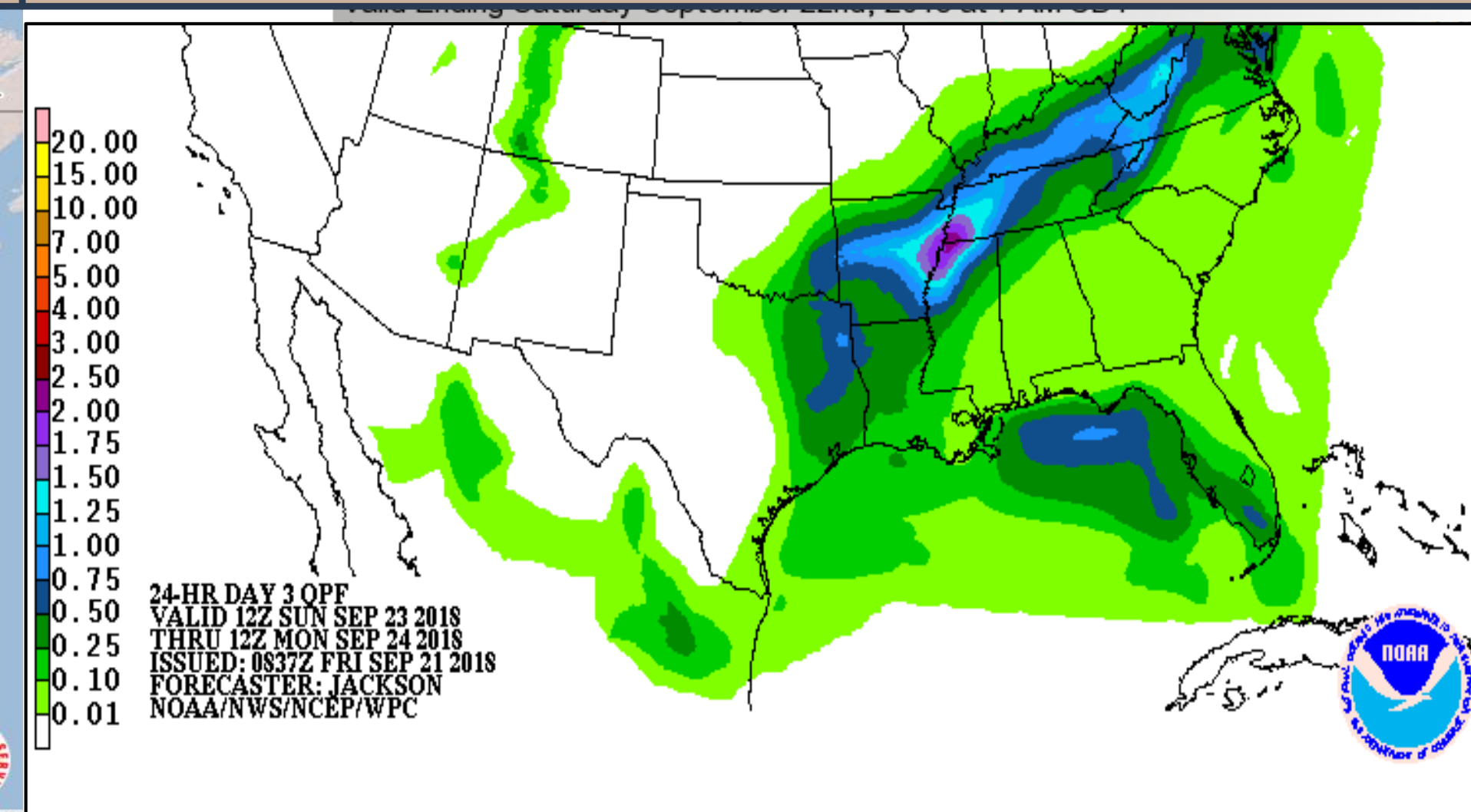


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## Forecast Chart



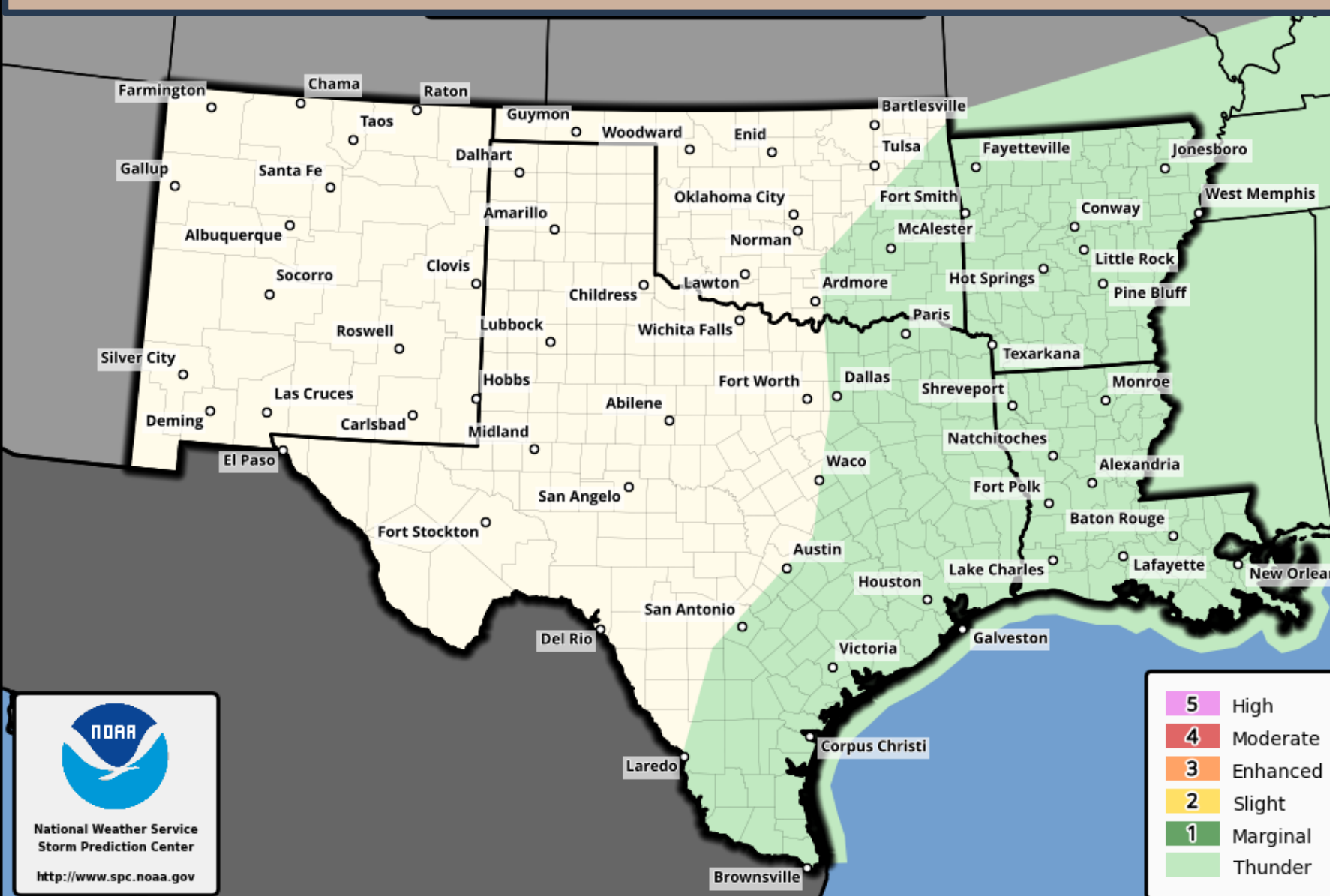
## Forecast Rainfall



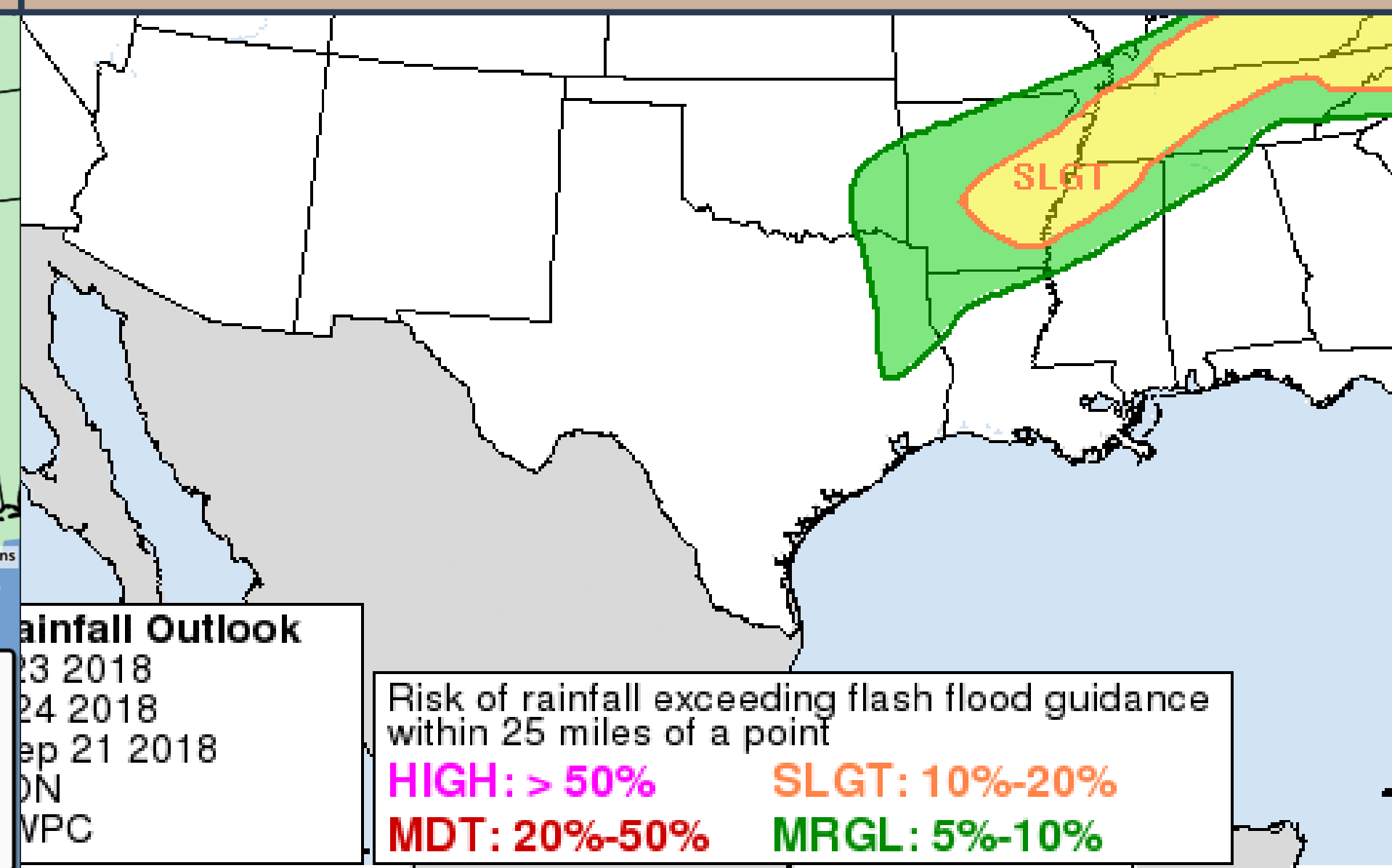
**Areas of heavy rain/  
flash flooding for AR into the  
Arklatex.**

**River flooding continues in  
STX and possibly for  
North/West TX, OK, AR.**

## Severe Weather Outlook



## Excessive Rainfall Outlook



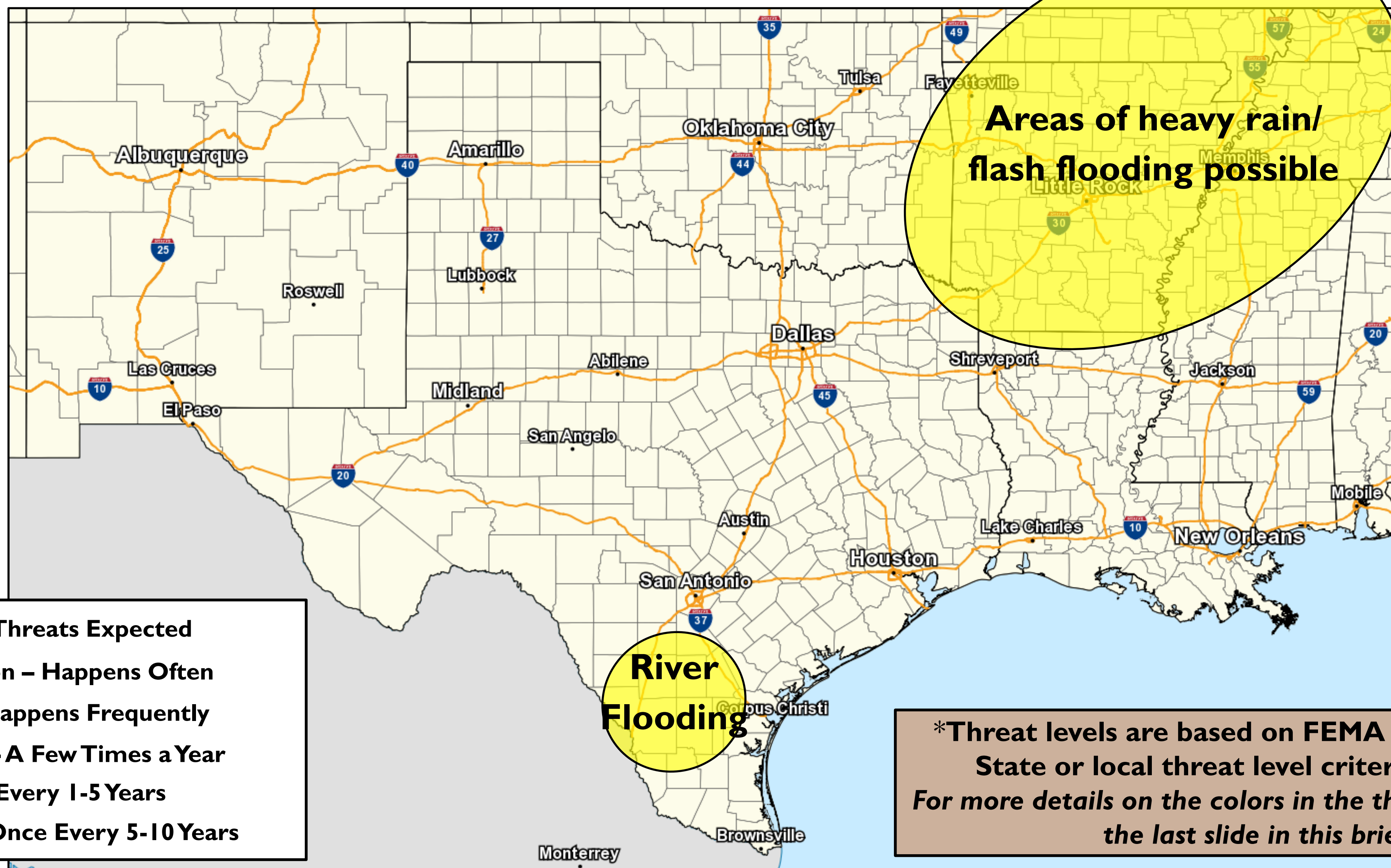


# Days 4-5 Weather Hazards

Monday - Tuesday



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the last slide in this briefing.*



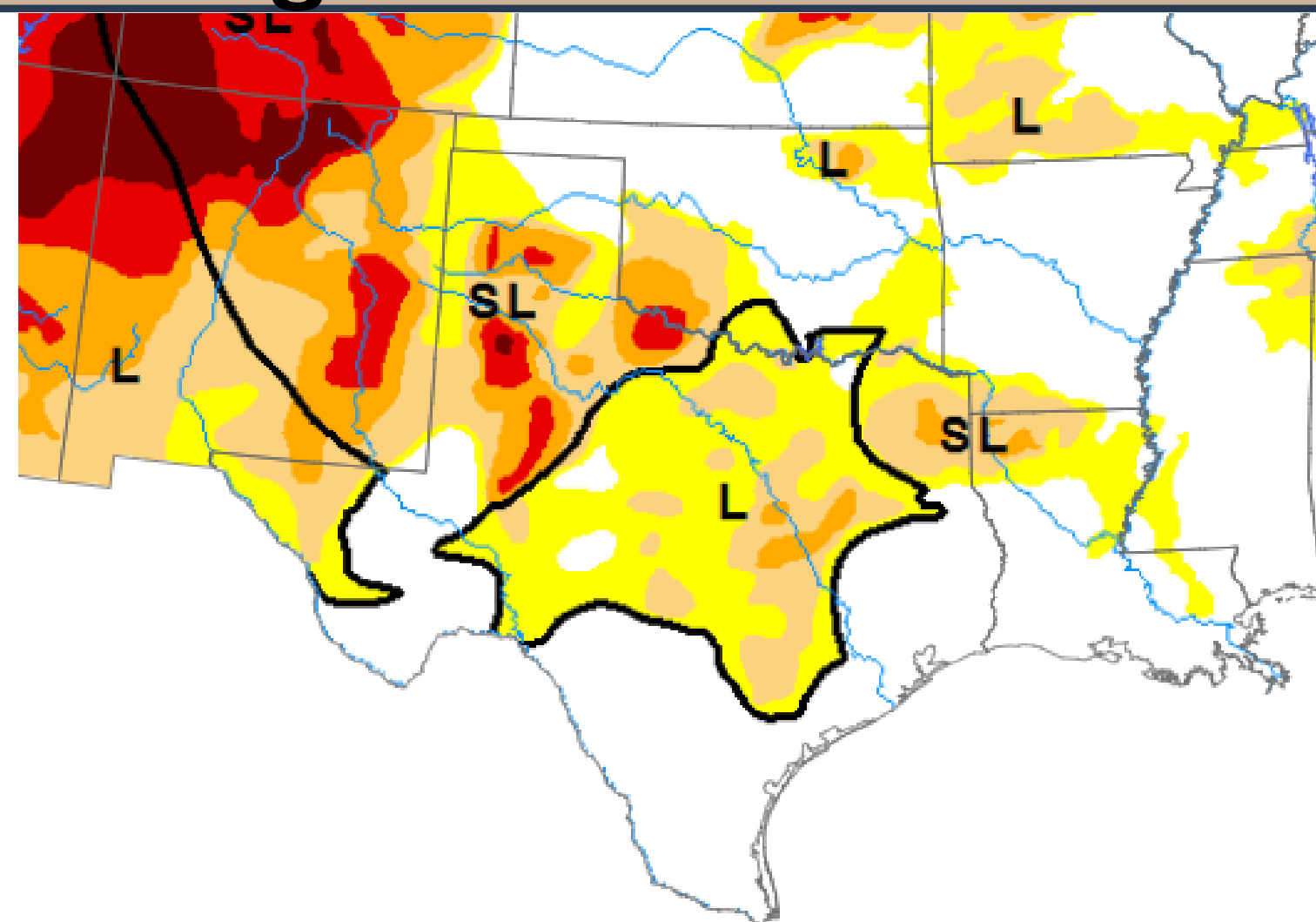
# Drought Monitor (Released September 20, 2018)



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Data valid as of 7am CDT, Tuesday, September 18, 2018

## Drought Monitor

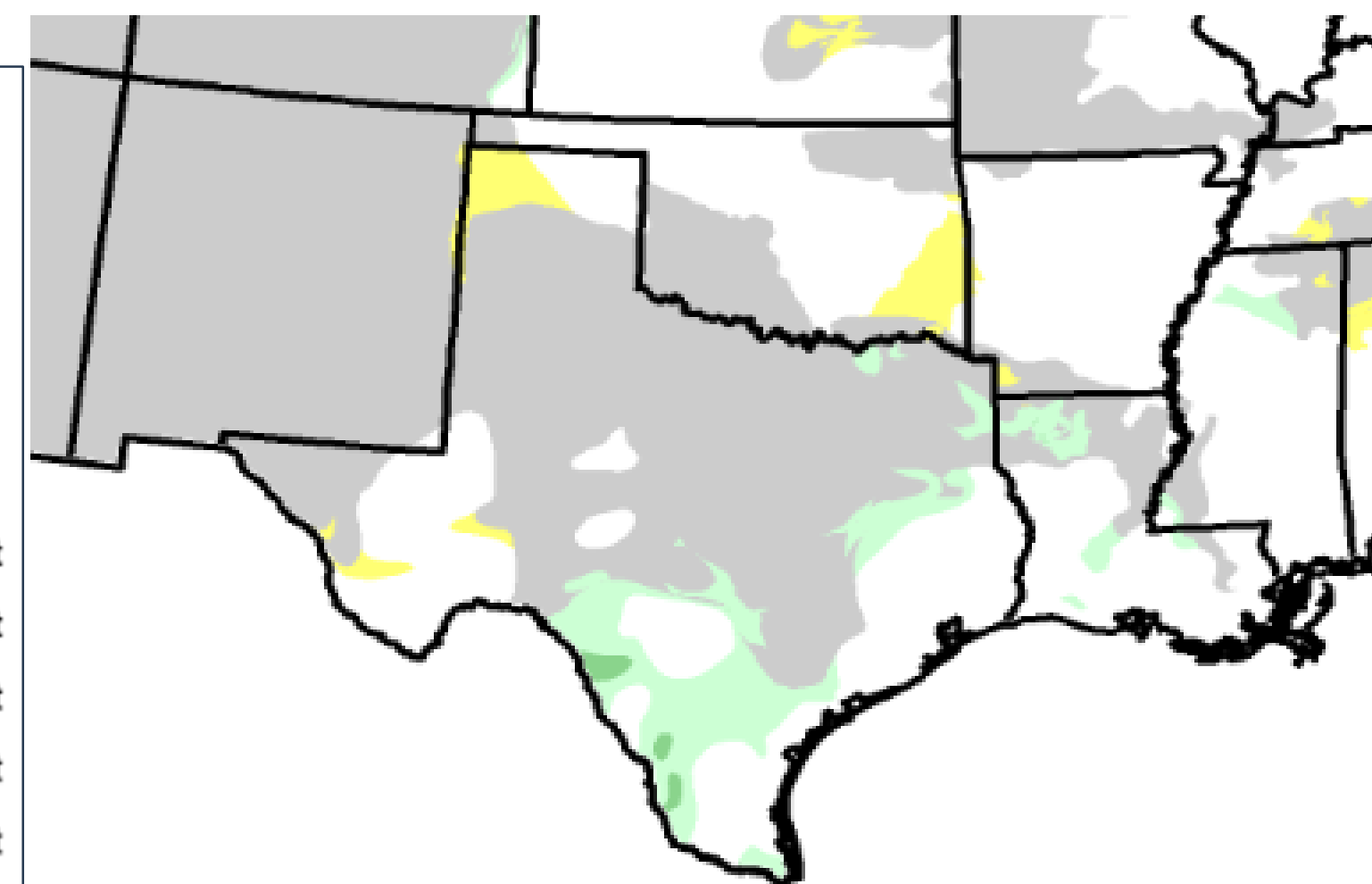


### Intensity:

- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

## One Week Change in Drought

- 5 Class Degradation
- 4 Class Degradation
- 3 Class Degradation
- 2 Class Degradation
- 1 Class Degradation
- No Change
- 1 Class Improvement
- 2 Class Improvement
- 3 Class Improvement
- 4 Class Improvement
- 5 Class Improvement



## Drought Conditions (Percent Area) in D3-D4 (Extreme to Exceptional Drought)

State	Current	Last Week	3 Months Ago	1 Year Ago
Arkansas	0.00%	0.00%	0.00%	0.00%
Louisiana	0.00%	0.94%	0.00%	0.00%
Oklahoma	0.57%	0.57%	14.56%	0.00%
Texas	2.43%	2.43%	3.78%	0.00%
New Mexico	31.84%	31.84%	60.89%	0.00%

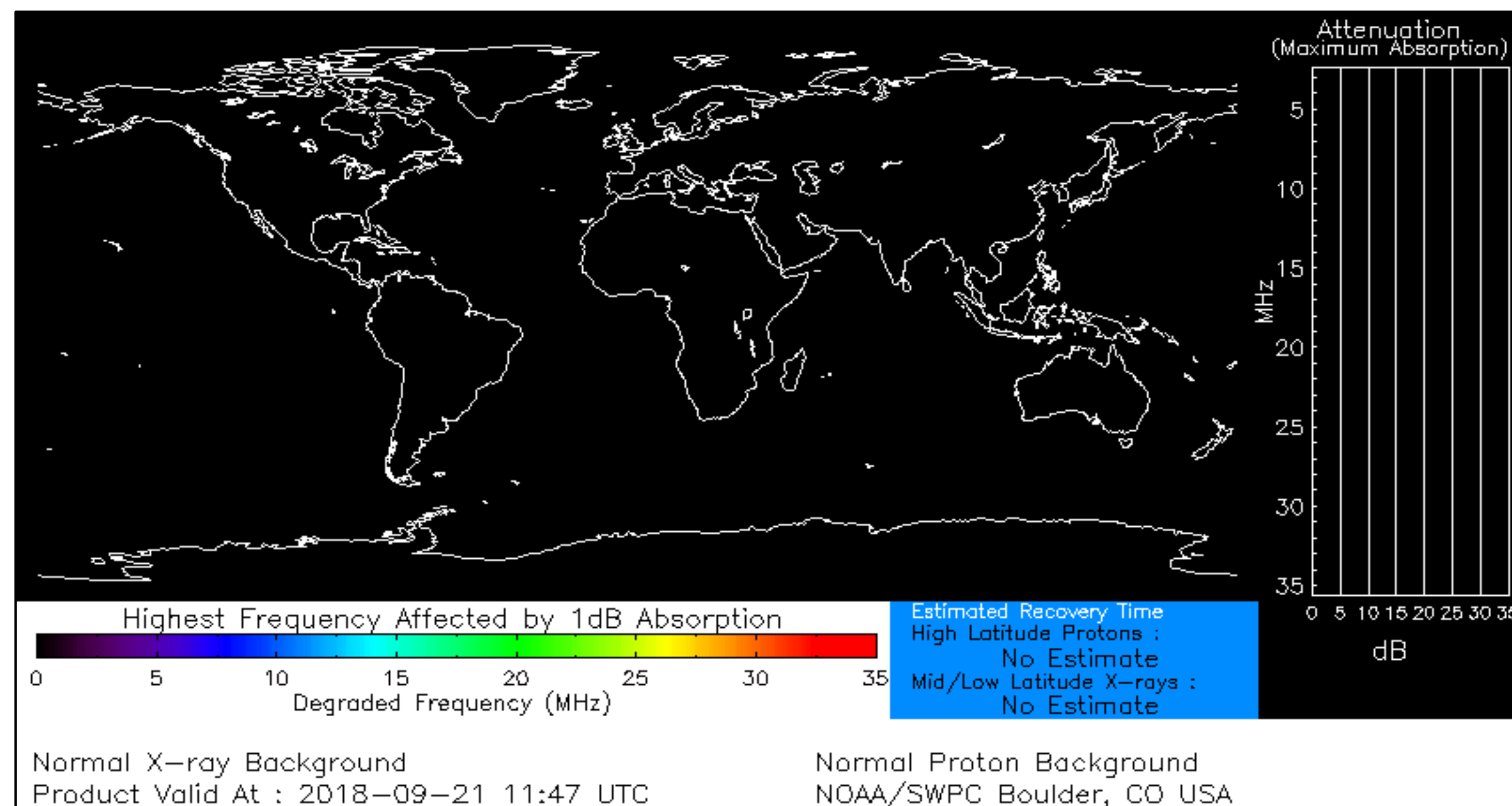


# Space Weather 3-Day Forecast



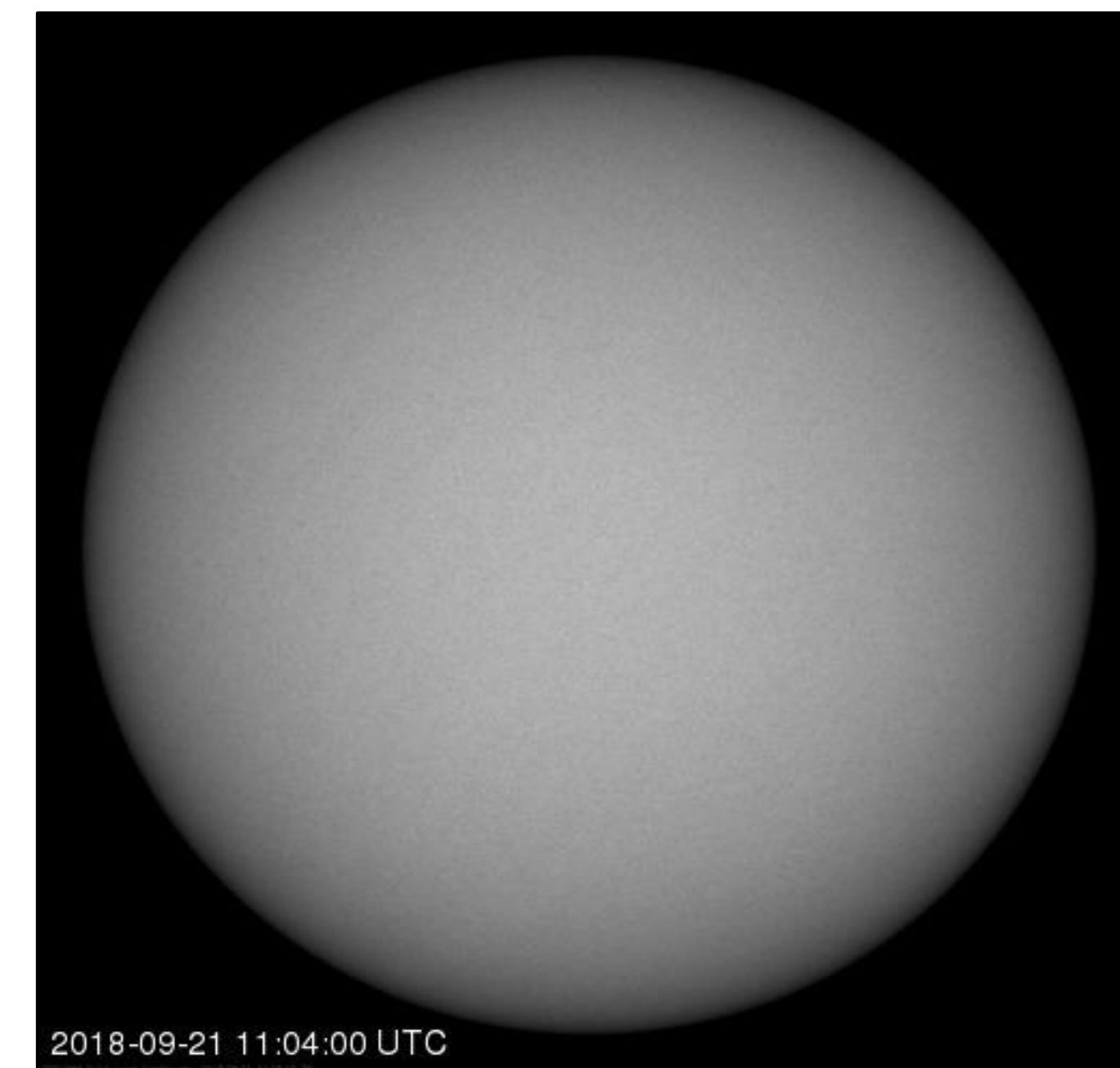
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	Friday	Saturday	Sunday
Geomagnetic Storms	Quiet (Max Kp = 2)	Quiet to Unsettled (Max Kp = 4)	Minor (G1) Storm (Max Kp = 5)
Solar Radiation Storm (S1-S5)	1%	1%	1%
Radio Blackout (R1-R2)	1%	1%	1%
Radio Blackout (R3-R5)	1%	1%	1%



[Click here for a Description of the Space Weather Storm Scales](#)

[Click here for the Latest 3-Day Space Weather Forecast Text](#)







# For more information, please contact:

**National Weather Service**  
Southern Region Headquarters  
Regional Operations Center  
Fort Worth, TX

Phone: (682) 703-3747

E-mail: [sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov)

Web: <http://www.weather.gov/srh>





Weather “Threat” Matrix			
Color	Definition	Criteria	Example(s)
Green	<b>Very Common</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Little Inconvenience to Daily Routines	Severe: Marginal Risk from SPC Flooding: Minor flooding expected over localized areas Tropical: None Fire Weather: No Watches/Warnings, fuel moisture above 10% or green up active	<ul style="list-style-type: none"> <li>Thunderstorms expected over LA this afternoon; a few may produce winds to knock down a few trees</li> <li>Something that happens almost every day in a particular season such as <u>seabreeze</u> storms in coastal TX</li> </ul>
Yellow	<b>Somewhat Common – Happens Frequently</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Some Inconvenience to Daily Life	Severe: Slight Risk from SPC Flooding: Nuisance flooded expected for a widespread area, or Minor flooding expected over isolated areas Tropical: A weak tropical wave expected to move towards or near any coastline Fire Weather: Red Flag Watches/Warnings and/or SPC outlines enhanced or critical fire outlook	<ul style="list-style-type: none"> <li>2-3 inches of rainfall expected over central AR today and tonight; some minor (brief) street flooding possible</li> <li>Scattered severe storms possible, one or two tornadoes expected, along with reports of strong winds/wind damage and ~1” hail</li> </ul>
Orange	<b>Uncommon – A Few Times a Year</b> Safety: Often Threatening to Life and Property, Some Damage Unavoidable Impact Potential: Typically Results in Minor Disruption to Daily Life	Severe: Enhanced Risk from SPC Flooding: Minor flooding expected over a widespread area (including urban locations), or Moderate flooding expected over isolated areas Tropical: A Tropical Storm expected to move towards or near any coastline Fire: Critical fire outlook for more than 2 consecutive days, Warnings for 2 or more consecutive days, D3-D4 drought conditions	<ul style="list-style-type: none"> <li>A snow/sleet mix is expected to move through or near the DFW area tomorrow morning; travel impacts likely</li> <li>Numerous severe storms possible, a few tornadoes possible along with several reports of wind damage along with damaging hail</li> <li>Some large fires reported, burn bans advertised, critical conditions expected</li> </ul>
Red	<b>Rare – Once every 1-5 Years</b> Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed Impact Potential: Will likely result in Large Disruption to Daily Life	Severe: Moderate Risk from SPC Flooding: Moderate flooding expected over a widespread area (including urban locations) Tropical: A Hurricane expected to move towards or near any coastline Fire: Large areas of critical conditions for 2 or more days, Warnings for 3 or more days, Severe to extreme drought	<ul style="list-style-type: none"> <li>A Category 1 hurricane will be moving towards the NW Gulf in the next few days</li> <li>Widespread severe storms likely, strong tornadoes, widespread wind damage, and destructive hail</li> <li>Large fires ongoing throughout the area with critical fire weather conditions expected to continue</li> </ul>
Purple	<b>Very Rare – Once Every 5-10 Years</b> Safety: Property Damage Unavoidable, Immediate Action to Save Life will be Needed Impact Potential: Typically Results in Long-Lived Widespread Major Disruption to Daily Life	Severe: High Risk from SPC Flooding: Major flooding expected over a widespread area (including urban locations) Tropical: A Major Hurricane (Cat3 or greater) expected to move towards or near any coastline Fire: Large area of critical conditions for 2 or more days, Warnings for 3 or more days, Long term (months) of severe to extreme drought	<ul style="list-style-type: none"> <li>A Category 4 hurricane is headed towards the SE LA; major storm surge, flooding and damaging winds anticipated to begin tomorrow</li> <li>Widespread severe storms expected, tornado outbreak probable with long-lived, very widespread and particularly intense storms</li> </ul>

**Criteria for the color codes in this briefing is to the left, please provide any feedback to**

**[sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov)**